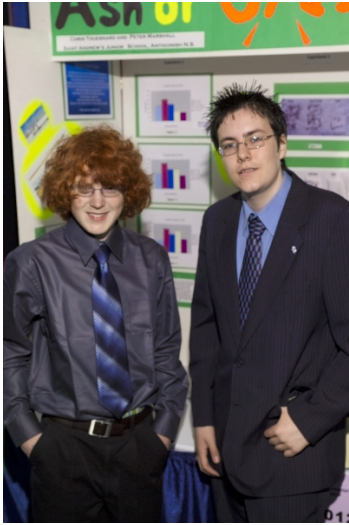


CWSF 2005 - Vancouver, British Columbia



Peter Marshall, Chris Touesnard

Ash or Crash

Division: Earth & Environmental Sciences

Category: Junior

Region: Strait

City: Antigonish, NS

School: St. Andrew Jr. School

Abstract: We tested wood ash as a substitute for road salt as a highway deicer. Ash-salt mixture produced traction as good as or better than salt at twice the rate, less heavy metals, higher pH (to ameliorate acid rain) and better melt rate in sunny conditions. Ash-salt is both effective, and environmentally sound.